

What is claimed is:

1. A printer system combining a printer device and at least one data processing device,

wherein said data processing device comprises:

intermediate code generating means for generating an intermediate code compatible with the print data by performing a language analysis of the print data; and

intermediate code rasterizing means for rasterizing said generated intermediate code into print image information, and

wherein said printer device comprises printing means for controlling the print image information rasterized by the intermediate code rasterizing means stored in a prescribed storage area of said printer device, and printing on the basis of said stored print image information.

2. A printer system according to Claim 1, wherein said printer device comprises:

intermediate code generating means for generating an intermediate code compatible with the print data by performing language analysis of the print data; and

intermediate code rasterizing means for rasterizing said generated intermediate code into

print image information, and

wherein the intermediate code generating means of said data processing device is capable of analyzing the print data described in an language not corresponding to the intermediate code generating means of said printer device.

3. A printer system according to Claim 2, wherein said printer device further comprises determination means for determining the type of language of the input print data, selecting an intermediate code generating means on the basis of the determination result, and delivering said print data to said selected intermediate code generating means.

4. A printer system according to any one of Claims 1 to 3,

wherein said intermediate code generating means generates an intermediate code as well as outputs identification information of the intermediate code to said printing means, and

wherein said printing means selects an intermediate code rasterizing means on the basis of intermediate code identification information input from the intermediate code generating means, and controls print image information rasterized by said selected intermediate code rasterizing means stored in a prescribed storage area of said printer device.

5. A printer system according to Claim 4,

wherein said printing means stores the corresponding relation between intermediate code identification information and the intermediate code rasterizing means, and selects an intermediate code rasterizing means with reference to the corresponding relation.

6. A printer system according to Claim 4,

wherein said intermediate code identification information includes address information for calling the corresponding intermediate code rasterizing means.

7. A printer system according to Claim 4,

wherein said intermediate code generating means further outputs information of bandwidth and bandheight compatible with an intermediate code (or language), and

wherein said printing means restructures said prescribed storage area on the basis of information of bandwidth and bandheight input through the intermediate code generating means, and controls said rasterized print image information to be stored in said prescribed storage area restructured in band units.

8. A printer device, comprising:

determination means for determining the type of

language of the input print data, selecting intermediate code generating means on the basis of the determination result, and delivering said print data to said selected intermediate code generating means, and

printing means for controlling print image information rasterized by intermediate code rasterizing means to be stored in a prescribed storage area of said printer device, and printing on the basis of said stored print image information.

9. A printer device according to Claim 8, wherein said printing means selects an intermediate code rasterizing means on the basis of intermediate code identification information input from said selected intermediate code generating means.

10. A printer device according to Claim 9, wherein said printing means stores the corresponding relation between intermediate code identification information and intermediate code rasterizing means, and selects the intermediate code rasterizing means with reference to the corresponding relation.

11. A printer device according to Claim 9, wherein said intermediate code identification information includes address information for calling the corresponding

intermediate code rasterizing means.

12. A printer device according to any one of Claims 8 to 11, wherein said printing means restructures said prescribed storage area on the basis of information of bandwidth and bandheight which complies with each intermediate code (or language), and controls said rasterized print image information to be stored in said prescribed storage area restructured in band units.

13. A data processing device to be used in combination with a printer device, comprising:

intermediate code generating means for generating the intermediate code compatible with the print data by performing language analysis of the print data, and

intermediate code rasterizing means for rasterizing said generated intermediate code into print image information, and

wherein the intermediate code generating means of said data processing device is capable of analyzing the print data described in a language not solely compatible with said printer device.

14. A data processing device according to Claim 13, wherein intermediate code generating means of said data processing device generates intermediate code as well as

outputs identification information of the intermediate code to said printer device.

15. A data processing device according to Claim 14, wherein said intermediate code identification information includes address information for calling the compatible intermediate code rasterizing means.

16. A data processing device according to any one of Claims 13 to 15, wherein intermediate code generating means of said data processing device further outputs information of bandwidth and bandheight compatible with the intermediate code (or language) to said printer device.

17. A printing method to be used in a printer system combining a printer device and a data processing device, comprising:

a determination step for determining the type of language of input print data, selecting an intermediate code generating means on the basis of the determination result, and delivering said print data to said selected intermediate code generating means, in said printer device; and

an intermediate code generating step for generating the intermediate code compatible with the print data by performing language analysis of print data, and outputting the intermediate code identification information, in an

intermediate code generating means of said printer device or an intermediate code generating means of said data processing device; and

a print control step for selecting an intermediate code rasterizing means on the basis of intermediate code identification information input from the intermediate code generating means, controlling print image information rasterized by said selected intermediate code rasterizing means to be stored in a prescribed storage area of said printer device, and printing on the basis of said stored print image information, in said printer device.

18. A printing method according to Claim 17 using the data processing device comprising the intermediate code generating means, wherein the intermediate code of said data processing device is capable of analyzing the print data described in a language not corresponding to the intermediate code generating means of said printer device.

19. A printing method according to Claim 17, wherein said print control step selects an intermediate code rasterizing means with reference to the corresponding relation between intermediate code identification information and the intermediate code rasterizing means.

20. A computer readable storage medium storing a program

for making a computer execute the printing method according to any one of Claims 17 to 19.